MILLER, M. Ye

Summer marches in Crimean schools. Geog. v shkole 21 no.2:53-54 (MIRA 11:2) Mr-Ap '58.

1. Shkola No.1, Simferopol'. (Grimea -- School excursions)

MILLER, M. Ye.

Cand Geog Sci - (diss) "Physico-geographic characteristics of the basin of the Salgir River." Kiev, 1961. 20 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Kiev Order of Lenin State Univ imeni T. G. Shevchenko); 150 copies; price not given; (KL, 6-61 sup, 201)

MILLER, N. B.

USSR/Chemistry - Hydrogen Peroxide Chemistry - Oxidation

Jan 49

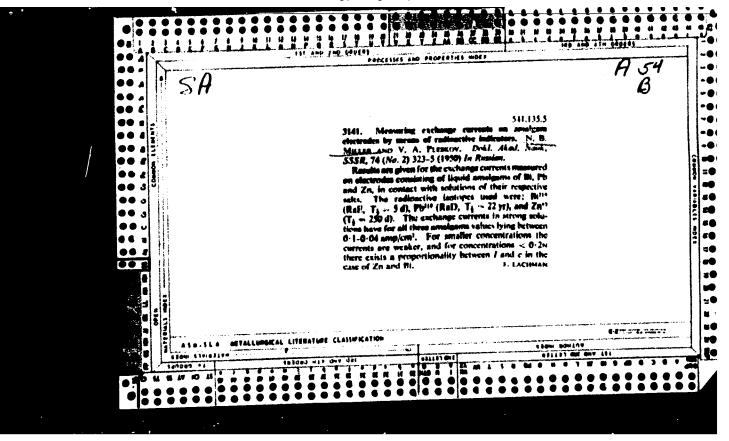
"Study of the State of Oxygen Adsorbed in Carbon According to Its Ability to Form Hydrogen Peroxide and Water," R. Kh. Burshteyn, N. B. Miller, Inst of Physicochem, Acad Sci USSR, 7 pp

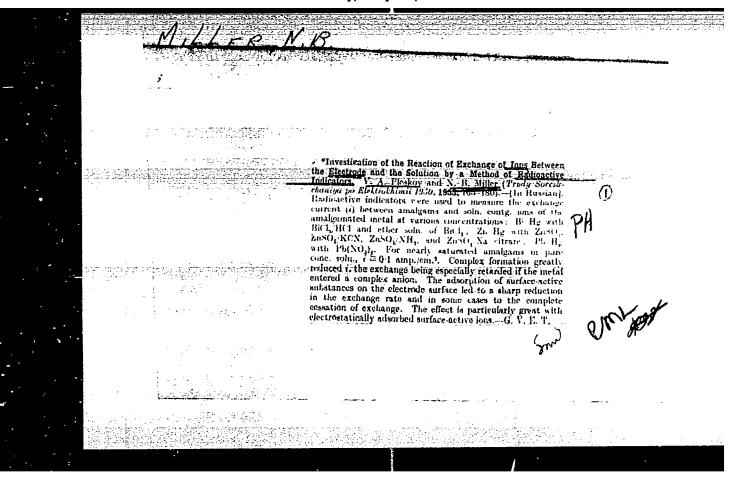
"Zhur Fiz Khim" Vol XXIII, Wo l

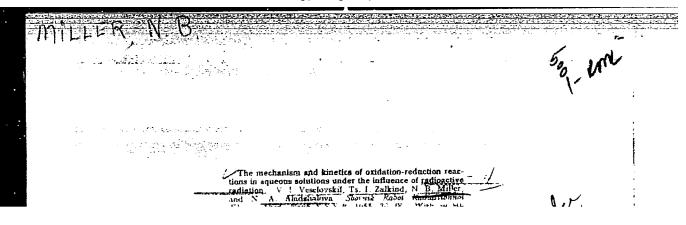
Discusses Experiments by Kuchinsky, Burshteyn and Frunkin on adsorption of electrolytes at various potentials of carbon electrode, and mentions recent published work by Winslow on investigation of the process of FeSO, exidation in presence of acid. Describes own studies on adsorption of sulfuric acid in relation to quantity of adsorbed oxygen, which showed that an equivalent correlation is observed between adsorbed oxygen and the acid even in presence of small quantities of exygen. This conforms with data obtained by Frunkin and Lavrovsky. Gives tables on adsorption of sulfuric acid. Submitted 27 Epr 48.

PA 48/49T20

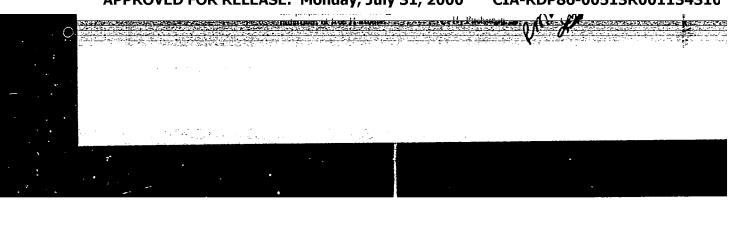
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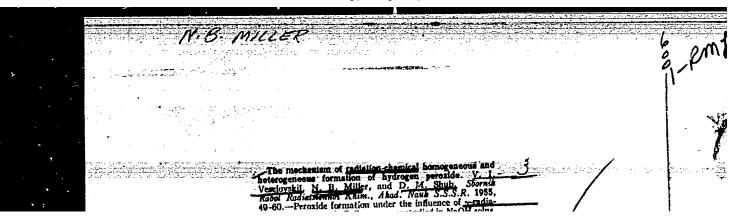




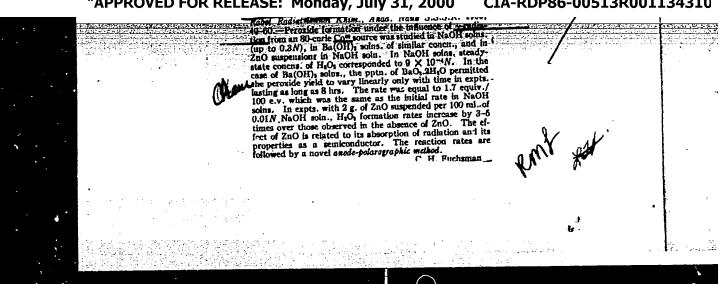
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BAKH, N.A., prof., otvetstvennyy red.; NEDVEDEV, S.S.; VESELOVSKIY, V.I., prof.; DOLIN, P.I., doktor khim. nauk; MILLER, N.B., kand. khim. nauk; TENFONOV, D.N. red. izd-va; HUGA YERRO, L.T., red. izd-va; MOSKVICHEVA, N.I. tekhn. red.

[Transactions of the First All-Union Conference on Radiation Chemistry]. Veesciusnoe soveshchanie po radiatsionnoi khimii. 1st, Moscow. 1957. Trudy... Moskva, Izd-vo Akad. nauk SSR, 1958. 330 p. (NIRA 11:7)

1. Chlen korrespondent Akademii nauk SSSR (for Medvedev).
(Rediochemistry---Congresses)

38578 3/081/62/000/010/015/085

B138/B101

AUTHORS:

I

Zalkind, Ts. I., Miller, N. B., Gochaliyev, G. Z.,

Veselovskiy, V. I.

Radiation electrochemical processes in aqueous electrolyte TITLE: solutions

Referativnyy zhurnal. Khimiya, no. 10, 1963, 62, abstract PERIODICAL: 10B416 (Tr. Tushkentsk. konferentsii po mirn. ispol'zovaniyu atomn. energii, 1959, v. 1. Tashkent, AN UzSSR, 1961, 347-354)

TEXT: By means of electrochemical measurements on Pt-, Au- and Hg-electrodes, a study has been made of the radiation electrochemical processes that occur in solutions of H_2SO_4 , and of H_2SO_4 with additions of $\overline{U(4+)}$, $\overline{U(6+)}$, $(COOH)_2$, during Co^{60} γ radiation. From the results it is concluded that both molecular hydrogen and H atoms are ionized. (Their stationary concentration at a dose rate of 6.1.1016 ev/cm3 sec was assessed as $2.3 \cdot 10^{-5}$ N; this diminished with pH). On the Hg-electrode in the presence of 02 the HO, radical is reduced. It was found that if the solutions of Card 1/2

Radiation electrochemical processes in ... \$\frac{\$5/081/62/000/010/015/085}{B138/B101}\$

uranium salts were subjected to radiolysis, the rate of U(5+) accumulation in the mixture of U(4+) and U(6+) was twice as high as in the U(4+) solution. In the H_2SO_4 solution with $(COOH)_2$ additions, the curve for the accumulation of H_2 in dependence on the $(COOH)_2$ concentration shows a maximum at $\sim 1 \cdot 10^{-2}$ N. H_2O_2 formation begins in this same range. [Abstracter's note: Complete translation.]

Card 2/2

X

S/844/62/000/000/032/129 D244/D307

AUTHORS: Miller, N. B., Veselovskiy, V. I. and Borotyntsev, V. A.

TITLE: Investigation of the mechanism of radiation-electrochemical processes in aqueous solutions of uranium salts

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khimii. Ed. by. L. S. Polak. Moscow, Izd-vo AN SSSR, 1962,

TEXT: Solutions of hexavalent U and mixtures of UVI and UIV were investigated to elucidate the mechanism of radiation-electrochemical conversions, using Pt, Au and Hg electrodes. The method used was that described previously (Collection: Deystviye ioniziruyushchikh sizlucheniy na neorganicheskiye i organicheskiye sistemy, Izd-vo AN inorganic systems.)). On irradiation of ionizing radiation on organic and a solution containing UIV assumes a value about 20 my lower than zero (w.r.t. the hydrogen electrode). The effect is accompanied by Card 1/3

Investigation of the ...

5/844/62/000/000/032/129 D244/D307

vigorous evolution of H_2 resulting from the presence of U^{IV} , which acts as an OH acceptor and prevents the recombination of H and OH. In the presence of \mathbf{U}^{VI} and \mathbf{U}^{IV} there is some formation of \mathbf{U}^{V} by the reduction of \mathbf{U}^{VI} and oxidation of \mathbf{U}^{IV} . The yield of \mathbf{U}^{V} in solutions containing only UVI was about 4 ions/100 ev, and in those containing both UVI and UIV it was 8 ions/100 ev. Stationary concentrations of U^{V} in the solutions were found to be in the ratio of $\frac{1}{\sqrt{2}}$. depolarization currents at a Pt electrode potential of 0.4 v, the electrode being immersed in the uranyl solutions irradiated with 4 x 10 16 ev/ml.sec, showed that for a given dosage the lower concentration limit, corresponding to approximately complete capture of H by the uranyl ions, is 5×10^{-2} M. Study of the formation of UVI and U^V on the oxidation of U^{IV} solutions showed that for increasing Card 2/3

Investigution of the ...

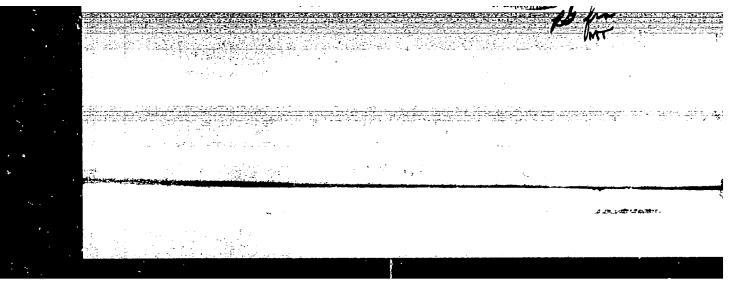
S/844/62/000/000/032/129 D244/D307

concentration of U^{IV} the stationary concentration of U^{V} becomes greater. Radiation yields $G(U^{V})$ were found to be 2.1, 1.5, 1.06 per 100 ev of absorbed radiation for 0.1, 0.2 and 0.4 M solutions of U^{IV} respectively. The stationary concentrations of U^{V} were 1.2 x 10⁻⁴, 2.2 x 10⁻⁴ and 3 x 10⁻⁴ M for the same solutions. There are 5 figures.

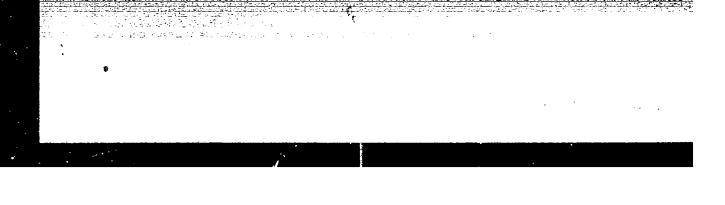
ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-Chemical Institute L. Ya. Karpov)

Card 3/3

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310



"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310



SOV/137-58-10-20757 D

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 58 (USSR)

AUTHOR: Miller, O.G.

TITLE: A Study of the Behavior of Lead in the Converter Treatment of

Polymetallic Mattes (Izucheniye povedeniya svintsa pri konvert-

irovanii polimetallicheskikh shteynov)

ABSTRACT: Bibliographic entry on the author's dissertation for the de-

gree of Candidate of Technical Sciences, presented to the Kazakhsk. gorno-metallurg. in-t (Kazakh İnstitute for Mining

and Metallurgy), Alma-Ata, 1957

ASSOCIATION: Kazakhsk. gorno-metallurg. in-t (Kazakh Institute for Min-

ing and Metallurgy), Alma-Ata

1. Ores--Processing 2. Lead--Properties

Card 1/1

137-1958-2-2629

eferativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 61 (USSR)

AUTHOR:

Miller, O.G.

TITLE:

The Change in Composition of the Mattes at a Lead Works in the Course of the Conversion Process (Izucheniye izmeneniya sostava shteynov svintsovogo zavoda po khodu protsessa konvertirovaniya)

Tr. Altaysk. gornometallurg. n.-i. in-ta, 1957, Vol 5, pp 93-110 PERIODICAL:

ABSTRACT:

A study was made of the chemical and mineral composition of slag and matte specimens obtained from the molten stream and through a tuyere. It was evident that Pb existed in the mattes of the Pb heat basically in a metallic form. At the beginning of the process the Pb became sulfidized, and much of the sulfide prompt! sublimed. Part of the sulfide remained in the slag in the form of extremely fine droplets. At the end of the initial period an observ. able oxidation of the Pb began, and the appearance of metallic Pb was again noted (a product of the smelting reaction), which was dissolving in metallic Cu. Complete removal of the Pb was assured by a hot run of the converter and by increasing the volume of exhaust gases through a brief injection of liquid fuel. The Fe was almost completely scorified early in the conversion operation

Card 1/2

137-1958-2-2629

The Change in Composition of the Mattes at a Lead Works (cont.)

at the same time the Zn also passed into the slag. The Cu sulfide was noticeably oxidizing in the latter part of the conversion operation, after the Fe had become scorified.

L.P.

1. Lead-Conversion--Processes 2. Gases-Applications

Card 2/2

78-3-4-15/38

AU"HORS:

Abdeyev, M. A., Miller, O. G.

TITLE:

Investigations Within the Domain of Layer Formation in the System Lead-Copper (Izucheniye oblasti rasslaivaniya v sisteme

svinets-med')

PERIODICAL:

Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 4, pp. 921-923 (USSR)

ABSTRACT:

The domain of layer formation in the system lead-copper was investigated by the method of determination of vapor pressure of lead above the system at 1000°, 1100° and 1200°C. At a lead content of from 23 - 80 % in the melt the vapor pressure of lead is almost constant at 1100°C which proves the presence of a layer formation at this temperature. At temperatures of 1200°C and more the vapor pressure of lead above the investigated melt changes with the change of the composition. This shows that the melt lead-copper at temperatures exceeding 1200°C represents an homogeneous solution.

The critical point of layer formation in the system lead-

-copper is at about 1150°C.

Card 1/2

These facts indicate that the phase diagram of the system

78-3-4-15/38

Investigation Within the Domain of Layer Formation in the System Lead-Copper

lead-copper at higher temperatures is incomplete and that detailed investigations of this system at higher temperatures are necessary. There are 1 figure, 1 table, and 5 references,

2 of which are Soviet.

ASSOCIATION: Altayskiy gorno-metallurgicheskiy institut Akademii nauk

Kazakhskoy SSR, Ust'-Kamenogorsk

(Ust'-Kamenogorsk, Altay Metallurgical Mining Institute, AS

Kazakh SSR)

SUBMITTED: June 25, 1957

Card 2/2

MILLER, O.G.

Studying the effect of oxygen blown into converters on the removal of lead from complex ore matter in the converting process. Trudy Alt. GMII AN Kasakh. SSR 6:157-164 '58.

(NIRA 12:1)

(Nonferrous metals-Metallurgy) (Lead) (Converters)

sov/136-59-3-6/21

LUTHOR:

Abdeyev, M.A., Miller, O.G., Kubyshev, N.N. and

Conversion of Lead Matte at the Ust'-Kamenogorsk Lead Matveyev, A.T. Works (Konvertirovaniye vysokosvintsovistykh shteynov TITIE:

na Ust'-Kamenogorskom svintsovom zavode)

Tsvetnyye Metally, 1959, Nr 3, pp 23 - 25 (USSR)

ABSTRACT: A method of obtaining copper is given from matte containing 18-24% Cu, 12-18% Pb, 24-30% Fe, 7-8% Zn, 0.5-2.59

As, 0.5-0.8% Sb and 15-18% S. The main difficulty is the presence of lead in the matte. This is removed by an afterblow. During the afterblow, copper is also oxidised and passes into the slag. This is decreased by addition of coke which reduces the copper oxide and copper passes back from the slag. The lead sublimes. It is necessary to submerge the bast deeply for several minutes. Three operations are The first is used for small quantities of matte. 40 kg coke are used in the afterblow. Intensive removal of sulphur only begins when the blast is deeply submerged in the metal. 1.5 tons Cu is obtained with analysis:

Card1/2

Conversion of Lead Matte at the Ust'-Kamenogorsk Lead Works

99.07% Cu, 0.2% Pb, 0.2% Zn and 0.2% Fe. The second and third operations yield 3-4.5 tons copper using a full 8-ton converter, the full reaction taking twelve hours. 50 kg coke is used and copper with an analysis of 98.18% Cu, 1.0% Pb, 0.2% Fe and traces of S is obtained. The slag from this reaction contains 18.8% Cu, 15.93% Pb, 24.3% Fe and 15% SiO₂.

There is 1 table.

ASSOCIATIONS:

Altayskiy gorno-metallurgicheskiy institut (Altay Mining-metallurgical Institute) (Abdeyev, Miller) Ust'-Kamenogorskiy svintsovo-tsinkovyy kombinat (Ust'-Kamenogorsk Lead-zinc Combine) (Yuybyshev) Irtyshskiy medeplavil'nyy zavod (Irtysh Coppersmelting Works) (Matveyev)

Card2/2

MILLER, O.G.

Converting complex metal matter and speiss. Trudy Alt. GMNII AN Kasakh SSR 9:238-242 '60. (MIRA 14:6)

1. Altayskiy gornometallurgicheskiy nauchno-issledovatel skiy institut AN Kazakhskoy SSR.

(Nonferrous metals—Metallurgy)

(Converters)

MALKIN, I.M.; CHIRKOVA, N.P.; NEYMAN, V.G.; KARLINSKAYA, L.S.; GANCHENKO, V.M.; POKIDYSHEV, M.I.; CHKENYSHEV, Yu.P.; PLATOHOV, G.F.; MIKHAYLOV, H.I.; ABDEYEV, M.A.; MILLER, O.G.; BUTENKO, N.S.; DYUYSEKIN, Ye.K.

Treatment of sinc-bearing slags in electric furnaces with coke conductivity. TSvet. met 33 no. 12:15-23 D '60. (MIRA 13:12)

1. Leninogorskiy polimetallicheskiy kombinat (for Malkin, Chirkova, Neyman, Karlinskaya, Ganchenko, Pokidyshev, Chernyshev). 2. Altayskiy gorno-metallurgicheskiy institut AM KasSSR (for Platonov, Mikhaylov, Abdeyev, Miller, Butenko, Dyuysekin).

(Zinc--Electrometallurgy) (Electric furnaces)

MILLER, O.G.; KUTRYAKOV, Yu.P.; ABDEYEV, M.A.; MIKHAYLOV, N.I.

Reducing losses of copper with waste slags at the Karsakpay plant. Trudy Alt. GMNII AN Kazakh. SSR 11:3-9 161.

(MIRA 14:8)

(Kersakpay-Copper industry) (Smelting furnaces)

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MILLER, Q.G.; ABDEYEV, M.A. Solubility of lead in the system copper - iron - sulfur. Trudy Alt.

GMINII AN Kazakh. SSR 14:110-113 163. (MIRA 16:9)

(Sulfides-Metallurgy) (Lead) (Selubility)

KUPRYAKOV, Yu.P.; MILLER, O.G.

Use of oxygen in reverberatory smelting of copper concentrates.

Izv. AN Uz. SSR. Ser. tekh. nauk 8 no.5:78-80 '64. (MTRA 18:2)

1. Sredneaziatskiy filial Gosudarstvennogo nauchno-issledovatel. skogo instituta tsvetnykh metallov.

KUPRYAKOV, Yu.P.; MILLER, O.G.; SAMKOV, Ye.A.

Use of an air-oxygen blow in the reverberatory smelting of copper concentrates. TSvet. met. 38 no.9:27-31 S *65.

(MIRA 18:12)

MILLER, O.G.; RASSKAZOV, A.P.

Effect of the consumption of quartz flux on the distribution of metals in the conversion of polymetallic mattes. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no.1:74-80 '63.

(MIRA 17:6)

1. Gornyy otdel AN UzSSR.

MILIER, C. N.

USSR/Nuclear Physics - Photography

FD-496

Card 1/1

: Pub. 146-13/18

Author

: Miller, O. N. and Sirotinskaya, A. A.

Title

: Method of introduction of thin wires into thick layer photoplates

Periodical

: Zhur. eksp. i teor. fiz., 24, 237-239, Feb 1953

Abstract

: Suggests a new method of introducing various substances into the emulsion of thick-layer photoplates to study phenomena connected with interaction of elementary particles with nuclei of introduced elements. Indebted to V. M. Uvarova, V. D. Davidov and S. S. Vasil'yev. 5 refer-

ences, including 5 foreign.

Institution : Moscow State University

Submitted

: June 30, 1952

8/285/63/000/002/004/012 Killer, Petr AUTHOR: VIBROTURB 3 unit for measuring resonance frequencies of turbine TITLE: blades Referativnyy zhurnal. Otdel'nyy vypusk. 47. Turbostroyeniye. no. 2, 1963, 8, abstract 2.49.47. (Kovoexport (CSSR), v. 8, PERIODICAL: no. 8, 1962, 8 - 11) VIBROTURB 3 developed at the State scientific research institute of thermal engineering in Prague consists of two parts: a portable electrical part and a mechanical support for fixing electromagnetic vibrator and pickup. The error of frequency measurement does not exceed 0.5%. A detailed description of the device and the information relating to its serv ice advantages are given. There are 4 figures. [Abstracter's note: Complete translation] Card 1/1

L 45207-66 EWP(c)/EWP(k)/EWP(h)/T/EWP(v)/EWP(1) IJP(c)

ACC NR. AP6023984 SOURCE CODE: CZ/0040/66/000/007/0169/0170

AUTHOR: Miller, Peter (Engineer)

ORG: none

TITLE: Development of Aeroflot

SOURCE: Letecky obzor, no. 7, 1966, 169-170

passenger aircraft transport aircraft, jet aircraft,

ABSTRACT: The past development of Aeroflot and plans for the future are reviewed. The types of aircraft which have been used in passenger and cargo service from 1923 to the present are given. Also mentioned are some aircraft engines of the preturbojet era. The Tu-104 A, Tu-104 B, Il-18, An-10, Tu-114, and An-24 airliners are listed as aircraft currently in service. The following types are said to be scheduled for operational service soon, or are under development. The Il-62, scheduled for service in 1967, is designed for 186 passengers or a 22—23-ton payload, flight range

Card 1/3

L 45207-66

ACC NR: AP6023984

6500 km, cruising speed 850-900 km/hr. A 1970 version of the Il-62 is expected to have an increased range of 11,000 km with 100 passengers, or 8500 km when carrying 220 passengers. In 1968 the Tu-154 is scheduled to replace the Tu-104, Il-18. and An-10. It is a tripple-engined rear-jet aircraft designed to carry 160 passengers or a 16-18-ton payload, Yange 3500 km, cruising speed 900 km/hr. When operated from a first-class airport, with a runway 2600-m long, the range may be increased to 4500 km. The Tu-134, is presently undergoing flight tests. It is powered by two rear-jet engines of 6800-kg thrust each. Designed to carry 72 passengers or a 7-7.8-ton payload, range 2400 km, cruising speed 800-840 km/hr. The An-22 "Anteus" is also in flight testing. It is designed for an 80-ton payload capacity with a flight range of 5000 to 11,000 km. Improved range and payload is sought for the An-24, presently in service on local lines. Under construction is the Yak-40 a tripple-engine rear-jet feeder liner for 24 passengers, with a range of 600 km. cruising speed of 550-600 km/hr, and the ability to operate from sod airfields 700--750-m long. The takeoff thrust of the engine is 1500 kg. Under development is the Tu-144 supersonic transport, which will carry 120 passengers at a cruising speed of 2500 km/hr and will have a range of 6500 km. Generally, after 1970 there will be a marked improvement in the performance of practically all types of airliners

Card 2/3

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Card 3/3	··				. •

s/081/61/000/019/005/085 B101/B110

Miller, R. AUTHOR:

Lateral displacement of the 180° wall in BaTiO3 single TITLE:

crystals

Referativnyy zhurnal. Khimiya, no. 19, 1961, 31 - 32, abstract 19B229 (Sb. "Fizika dielektrikov", M., AN SSSR, PERIODICAL:

1960, 329 - 338)

TEXT: A study has been made of the current of polarity reversal and of the domain structure of a BaTiO, crystal with partially reversed polarity.

Metallic and liquid electrodes were used to study the change in direction of polarization as dependent on the electric-field strength. With the use of liquid electrodes, the author found many large, reoriented domains in specimens with partially reversed polarity. With the use of metallic electrodes, the number of reoriented domains was found to be 1 - 2 orders of magnitudes less. It was shown that the velocity v of lateral displacement of the domain wall varies according to the law: $v = v_{\infty} \exp(-\delta/E)$, where v_{∞} and δ are not field-dependent; $v \approx 10$ cm/sec; the activating field δ varies Card 1/2

Lateral displacement of the...

S/081/61/000/019/005/085 B101/B110

from 2000 to 4000 v/cm. The displacement of the 180° domain wall in BaTiO₃ is different from that found in Rochelle salt, in which v~(E - E₀), where E₀ denotes the coercive field. The exponential dependence of v is obviously due to the mechanism of nucleation in the direction of motion of the 180° domain wall since the nucleation process is probably an exponential function of the field. According to existing data, the 180° walls are not parallel to the ferroelectric axis but form an angle with it. Owing to the mechanism of nucleation, such walls may be displaced more easily. [Abstracter's note: Complete translation.]

Card 2/2

MILLER, R.

"Calendering twilled fabrics.W p. 81. (ODZIEZ, Vol. 1, no. 3, Mar. 1953, Lodz, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

BOGACH, Frantishek [Bohac, Frantisek]; MILLER, Rudol'f, inzhener.

The railroad car industry in Csechoslovakia, Zhel, dor, transp.

29 no.5139-42 My !57.

1, Zamestitel' nachal'nika Tšentral'nogo upravleniya lokomotivnogo i vagonnogo khosyaystva Ministerstva transporta (for Frantishek).

2. Eschal'nik otdela Tšentral'nogo upravleniya lokomotivnogo i vagonnogo khosyaystva Ministerstva transporta (for Miller).

(Gsechoslovakia--Railroads--Care)

MILLER, Rudolf, inz.

More cleanness in passenger cars. Zel dop tech 9 no.12:355-357 '61.

MITTER, S.

TILLER, S.

Three steps toward mechanization of the preparation of soil for afforestation, p. 27. (LAS POLSKI, Warszawa, Vol. 27, no. 3, Mar. 1953.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, Jam. 1955, Uncl.

MILLER, STANISLAW.

MILLER, STANISLAW. Pozyskiwanie nasion drzew i krsewow lesnych. (1. wyd.)
Warszawa, Panstwowe Wydawn. Rolnicze i Lesne, 1955. lili p. (Biblioteczka
lesniczego) (Obtaining the seed of forest trees and shrubs. 1st ed.)
DA Not in DLC

AGRICULTURE Poland

So: East European Accession, Vol. 6, No. 5, May 1957

MILLER, S.

How we used the crop of beechnuts. p. 10

LAS POLSKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Lesnictwa i Drzewnictwa) Warszawa, Poland. Vol. 29, no. 1, Jan. 1955

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

MILLER, S.

For properly collecting cones and bringing them to places for removing the seeds. p. 39

LAS POISKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Lesnictwa i Drzewnictwa) Warszawa, Poland. Vol. 29, no. 1, Jan. 1955

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

MILLER, S.; KROL, S.

What looks like this year's spring campaign for afforestation. p. 7

LAS POLSKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Lesnictwa i Drzewnictwa) Warszawa, Poland. Vol. 29, no. 2, Feb. 1955

Monthly list of East European Accessions (EFAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

MILLER, S.

MILLER, S. More about the use of the harvest of pine cones. p. 4.

Vol. 29, no. 12, Dec. 1955 LAS POLSKI AGRICULTURE Poland

So: East European Accession, Vol. 6, No. 5, May 1957

MILLER, S.

New elements for the design of a four-bar linkage. p. 525.

PRZEGLAD MECHANICZNY. (Stowarzyszenie Inzynierow i Technikow Mechanikow Polskich) Warszawa, Poland, Vol. 18, no. 16, Aug. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

MILLE, S.

The head of a barvester rake. p. 257. (ARCHIM'M BUDOM! MASZIM. Vol. h, no. 2, 1957. Warszawa, Poland)

SO: Monthly List of Wast European Accessions (WEAL) LO. Vol. 6, no. 12, Dec. 1957. Uncl.

MILIER, S. [Millers, S.]

In the "VEF" Factory. Tekh. est. 2 no.9:20-21 S '65.

(MIRA 18:11)

1. Zamestitel' direktora Gosudarstvennoy elektrotekhnicheskoy fabriki "VEF", Riga.

MILLER, Stefan, dr. inz., adiunkt

Designing systems with driving element of variable length. Przegl mech 23 no.24:706-709 25 D '64.

1. Department of General Theory of Machines and Mechanisms, Technical University, Wroclaw.

MILIER, Stefan, dr inz.

Kinematic designing of mechanisms with elements of variable length. Przegl mech 21 no.16:502-504 25 Ag 162.

1. Politechnika, Wroclaw.

ZYGMUNT, K., doc. dr. inz.; MILLER, Stefan, dr. inz.; WIRBILIS, Stanislaw, mgr. inz.; KUS, Andrzej, mgr. inz.

Review of the technical press. Przegl mech 24 no.2:56-61 25 Ja 165.

MILIEN, Stefan, dr inz., adiunkt

Conditions for assembling toothed gears in closed circuit. Przegl mech 23 no. 1: 2-4 10 Ja 164.

1. Katedra Teorii Mechanizmow, Politechnika, Wroclaw.

MILLER S. D. HILLER, S.D.: SCLOVOV, A.P.

Investigating the magnetic susceptibility of porous hede for mapping and exploration. Rezved. 1 okh. nedr. 21 m. h: 16-44 (C:0 Marc) DrAG 155. (Prospecting-Geophysical methods)

MILLER Semen DAVYDOVICH - 1901-1960

Recensed V. Sb. metodika i Tekhu. RAZVEdki, LABOR. PACOTY [5] ALMa-Ota, 1961 p 149-15,

MILLEK, 3.41.

MILLER, S.M.; BIDIS, S.M.

Quality of nonferrous metal scrap and waste. TSwet.met. 27 no.6:47-50 (MIRA 10:10) **I-D** 154.

(Monferrous metals)

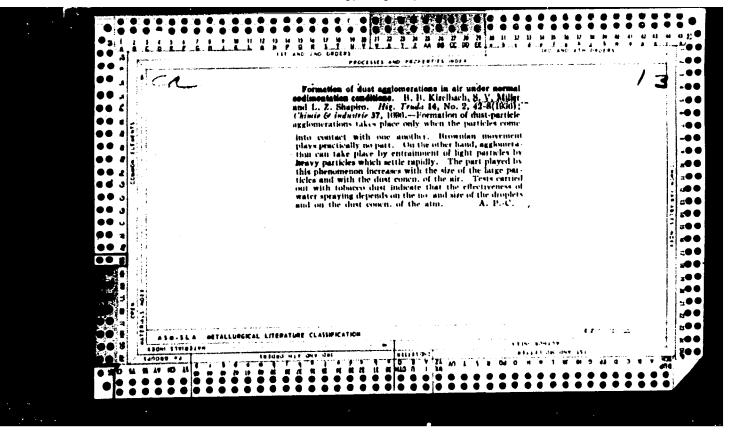
ISTRIN, Mikhail Aleksandrovich; LEVITIN, Vul'f Khananovich; RUBINSHTEYN,
Iosif Grigor'yevich; MILLER, Solomon Mikhaylovich; MILLER, L.Ye.,
kandidat tekhnicheskikh mikk, Fettement; BELOV, V.Ya., redaktor;
CHERNOV, A.W., redaktor; APKHANGEL'SKAYA, M.S., redaktor izdatel'stva; MIKHAYLOVA, V.V., tekhnicheskiy redaktor

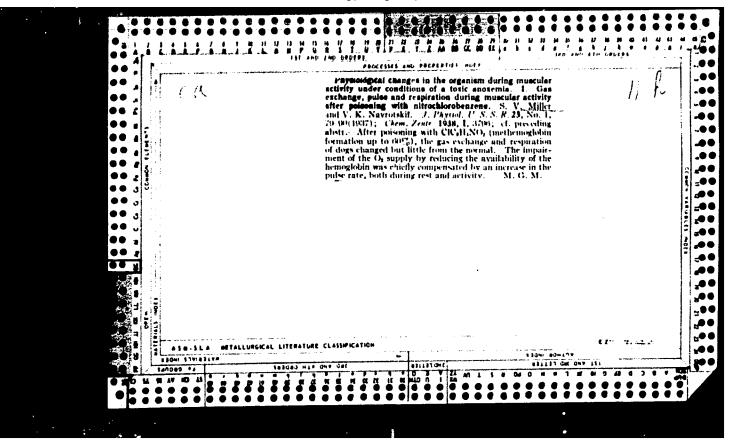
[Secondary nonferrous metals] Vterichnye tsvetnye metally; spravochnik. Isd. 3-e, perer. i dop. Pod red. V.IA.Belova. Moskva, Gos. nauchno-tekhn. isd-vo lit-ry po chernoi i tsvetnoi metallurgii. Pt.l. [Procurement and primary processing] Zagotovka i pervichnaia obrabotka, 1956. 558 p. (MIRA 9:7) (Monferrous metals)

CHERNYAVSKIY, I.Ya.; PISAHENKO, A.A.; MILLER, S.N.

Slabs from in slag melts for floors of industrial buildings. Lit. proizv. no.11:42-43 N '64. (MIRA 18:8)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310

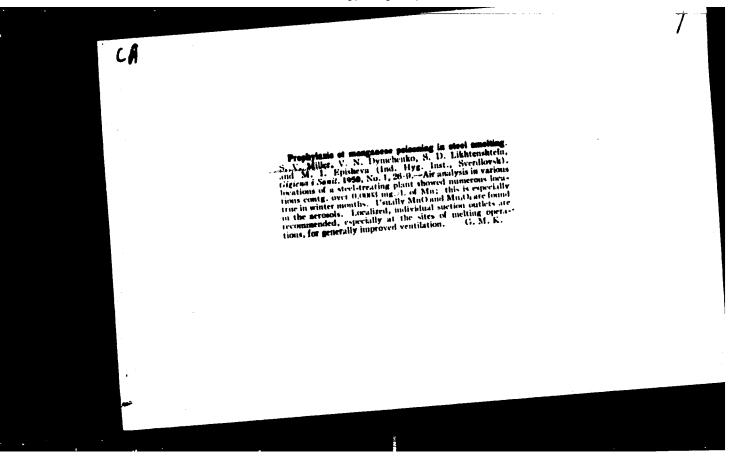




MILLER, S.V.

37526 Osnovnyye voprosy gigiyeny truda v alyuminiyevom proizvodstve. v Sb: XII vsesoyuz. S'yezd gigiyenistov, epidemiologov, Mikrobiologov I infektsionistov T.I.M., 1949, s.152-54

SO: Letopis'Zhurnal'nykh Statey, Vol. 37, 1949



VISHNEVSKIY, V.L., glav. red.; MILLER, S.V., prof., red.; MATS, OSHCHEPKOVA, A.N., red.; SAKULIN, I.P., dots., red.; ROSTIK, M.B., red.

[Materials of the Second Scientific and Practical Conference of Sverdlovsk City and Province Sanitary and Epidemical Station] Materialy Vtoroi nauchno-prakticheskoi konferentsii Sverdlovskoi gorodskoi i oblastnoi sanitarno-epidemiologicheskikh stantsii. Sverdlovsk, 1962. 223 p. (MIRA 17:5)

1. Nauchno-prakticheskaya konferentsiya Sverdlovskoy gorodskoy i oblastnoy sanitarno-epidemiologicheskikh stantsii.
2d, Sverdlovsk, 1961. 2. Zaveduyushchiy Sverdlovskim oblastnym otdelom zdravookhraneniya (for Vishnevskiy).
2. Sverdlovskaya gorodskaya sanitarno-epidemiologicheskaya
stantsiya (for Rostik).

MILLER, S.Y.

Fifth scientific session of the Sverdlovsk Institute of Industrial
Hygiene and Occupational Diseases. Gig. i san. no.11:53-55 M 154.

(IMDUSTRIAL HYGIENE (MIRA 7:12)

in Russia, conf.)

(OCCUPATIONAL DISEASES, prevention and control
in Russia, conf.)

SOV/137-57-1-1661

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 1, p 222 (USSR)

Miller, S. V., Gorlanova, N. M., Glushkov, L. A., Bessonova, A. P., AUTHORS: Gotlib, Ye. V., Saknyn', A. V., Cherepanova, K. A.

Results and Goals of the Scientific Work on Labor Hygiene in Electrolytic Shops of Aluminum Plants (Itogi i zadachi nauchnoy raboty TITLE: v oblasti gigiyeny truda v elektroliznykh tsekhakh alyuminiyevykh

zavodov)

PERIODICAL: V sb.: Vopr. gigiyeny truda, professional'noy patologii i toksikologii v prom-sti Sverdl. obl., Sverdlovsk, 1955, pp 121-127

ABSTRACT: The unsatisfactory sanitary working conditions in electrolytic shops of Al plants are characterized by the presence in the atmosphere of Fe compounds, the amounts of which near the baths (B) and in working passages exceed the permissible concentrations by 200-600%. The dust content in the atmosphere during the preparation of B attains 30-60 mg/m³. The radiant-heat flux during the period of B preparation amounts to 2-4 cal/cm² per min, but it may attain 9-10 cal/cm² for short periods of time. The jumps and

drops in air temperatures close to B's and in the passages is Card 1/2

SOV/137-57-1-1661

Results and Goals of the Scientific Work on Labor Hygiene (cont.)

10-20°C higher than those termed permissible by sanitation standards. During the cold-weather period, when the air is changed 10-13 times per hour, the temperature falls below 0°C. All these conditions bring about a chronic Fe poisoning ["F." in the Russian text. Transl. note], koniotic changes in the lungs, and an increase of the over all incidence of sickness. For the improvement of sanitary conditions it is recommended that the leakage of heat and harmful gases into the air from the electrolytic B be minimized by means of decreasing the leakages in the exhaust-ventilation hoods, reducing the time required for B preparation through the mechanization of the process of continual intake of alumina into the B underneath the crust instead of batch loading. Measures were outlined for sanitary protection of the atmosphere on the lands covered by a plant and neighboring residential areas from harmful discharge of dust, tarry substances, etc.

B. T.

Card 2/2 USCOMM-DC=61131

MILLER, S.V., prof.

Maximum permissible concentration of fluorine compounds in the air in populated areas. Pred.dop.kontsent.atmosf.zagr. no.2:29-46 (MIRA 10:11)

1. Is Everdlovskogo instituta gigiyeny truda i profzatelevaniy.
(AIR-POLLUTION) (FLUORINE COMPOUNDS)

MILLER, S. V.; BESSONOVA, A. P.; GLUSHKOV, L. A.; GORLANOVA, N. M.; GOTLIB, YE. V.; SAKYNI, A. V.; STONIN-BAKHUREV, I. M.; FILATOVA, A. S.; SURIS, V. G.; GRUKUS, G. D.

"Sanitary labor conditions in the electrolytic shops of aluminum plants and the essential health-protection measures."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

MILLER, S.V.

Sverdlovsk interinstitute conference on problems of the pathogenesis, clinical aspects, and prophylaxis of silicosis and other forms of pneumoconiosis. Gig.truda i prof.zab. 3 no.2:55-56 Mr-Ap *59. (MIRA 12:6) (LUNGS--DUST DISPASES--CONGRESSES)

MILLER, S.V., prof.; SADILOVA, M.S. (Sverdlovsk)

Activity of the Sverdlowsk section of the All-Russian Medical Society of Hygienists and Sanitary Physicians in 1960 and the first half of 1961. Gig. i san. 26 no.10:89-91 0 '61. (MIRA 15:5) (SVERDLOVSK—PUBLIC HEALTH SOCIETIES)

Miller, S. Ye.

FOKS, A.D.; MILLER, S.Ye.; VEIS, M.T.; LOMIZE, L.G. [translator]; MIRIMAHOV, Ruben day, Vicin; ridaktor; ERYUKOV, I.A., redaktor; KORUZEV, E.N., tekhnicheskiy redaktor

[Behavior and application of ferrites in the microwave region. Translated from the English] Svoistva ferritov i ikh primenenie v diapazone SVOH. Perevod s angliiskogo L.G.Lomize. Moskva, Isdvo "Sovetskoe Andio." 1956. 99 p. (MIRA 9:3) (Ferromagnetism)

MILLER, T.

Technology of thin-walled bushings for the Warzawa MO20 passenger car. p. 117, Vol. 5, no. 4, Apr. 1955, TECHNIKA MOTORYZACYJNA SO: MONTHLY LIST OF EAT EUROPEAN ACCESSIONS, (EEAL), LC, VOL.4, nol 9. Sept. 1955, Uncl.

MILLER, V., inshener (g. Praga)

Track machinery on Csechoslovak railroads. Put' i put. khos. no.1:
47 Ja '57.

(Csechoslovakia---Railroads---Rails)

WILLER, V., inshemer (g. Praga).

Track teels in Csecheslevakia. Put' i put. khes. ne.2:47 F '57.

(Csecheslevakia-Railreads-Teels and implements) (MIRA 10:4)

L 10267-63 BDS ACCESSION NR: AP3000572

s/0109/63/008/005/0875/0878

AUTHOR: Miller, V. A.

47

TITLE: Use of diverging lenses in oscilloscopic electron-beam tubes

SOURCE: Radiotekhnika i elektronika, v. 8, no. 5, 1963, 875-878

TOPIC TAGS: oscilloscopes, electron lenses

ABSTRACT: Single diverging electron lenses have been used to increase the sensitivity of oscilloscopes. This practice is examined in the article and compared with the use of immersion diverging and converging lenses. By using relative deflection as a criterion of the volume of information supplied by the tube screen, the following conclusions are drawn: 1) the single diverging lens results in a decreased volume of information, which renders the lens ineffective; 2) the immersion diverging lens is less effective than the converging lens conventionally used in post-accelerating-type tubes, and the latter insures the greater volume of information. Orig. art. has: 13 equations and 3 figures.

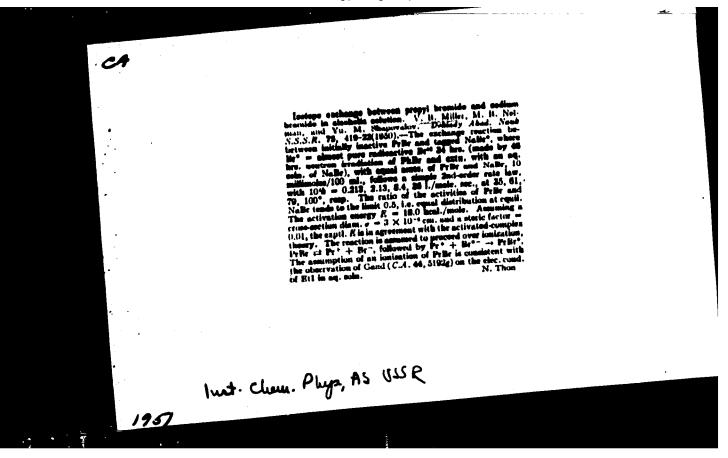
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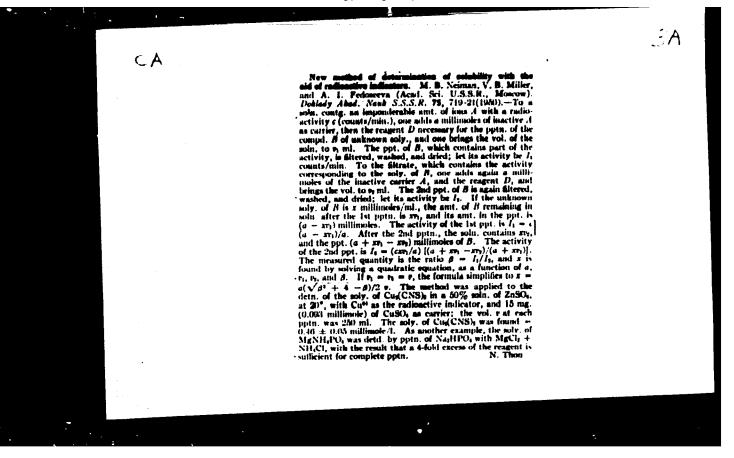
Card 1/2/

MILLER, Viktor Aleksandrovich; KURAKIN, Lev Anatol'yevich; GERUS, V.L., red.; LARIONOV, G.Ye., tekhn. red.

[Electron-beam receiving tubes; their properties and parameters] Priemnye elektronno-luchevye trubki (svoistva i parametry). Moskva, Izd-vo "Energiia," 1964. 367 p.

(MIRA 17:2)





MILLER, V. B.

Nuclear Physics. "Study of Bromine Isotype Exchanges between Propyl romide and Sodium Bromide in Alcohol," Nuclear Sci. Abstracts, 5, No. 8, 1951.

MILLER. V. B. NEYMAN, M. B., SAZONOV, L. A.

ADSORPTION

General method for investigation of coprecipitation and adsorption with the aid of tagged atoms. Zhur. anal.khim. 7 no. 5, 1952.

Developed a general method for studying co-precipitation, using radioactive isotopes. Studied the relation of co-precipitation of SrCrOk with BaCrOk at different relative conces, at various pH values. The max co-precipitation was detd at a definite pH value. A spatial diagram of the co-precipitation of SrCrOk and BaCrOk was plotted. With the aid of this diagram, improvements were made on the chromate method of separating Ba from Sr.

261T29

9. Monthly List of Russian Accessions, Library of Congress, December 1957, Uncl.

MILLER, V. B.

261T102

USSR/Physics - Isotopes

May 53

"Applications of Radioactive Isotopes in Analytic Chemistry," M.B. Neyman and V.B. Miller

Usp Fiz Nauk, Vol 50, No 1, pp 93-122

Describes applications of radioactive isotopes in analytic chemistry. Divides the material into 3 sections: phys methods, chem methods of analysis, and applications to research. Refers to own former works in Uspekhi Khimii 17 (1948); works of P. Daudel, Anal. Chim. Acta 5 (1951); and those of P. Sue, Bull. Soc. Chim Fr., 9D, 5-6 (1951).

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MILLER N.B.

USSR/Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry.

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 47060

Author: Neyman, M. B., Miller, V. B., Shapovalov, Yu. M.

Institution:

Title: Investigation of the Influence of the Structure of Molecules on the Velocity of Ionic and Atomic Isotope Exchange Reactions. I. Influence of Lengthening of the Carbon Atom Chain of the - Alkyl Radical on the Velocity of Isotope Exchange of Alkyl Halide with-Halogen Ions. II. Influence of Isomerization of the Radical and Introduction of a Double Bond on the Velocity of Isotope Exchange of Alkyl Halide with Halogen Ions

Zh. fiz. khimii, 1954, 28, No 7, 1243; 1955, 29, No 5, 892-897 Original Periodical:

Abstract: I. A study has been made of the kinetics of the reaction of isotope exchange: $RX + X* = RX* + X^-$, where $R = CH_3$, C_2H_5 , $n-C_3H_7$ and X = Broz or Il31. The reaction was carried out in C2H5OH

Card 1/3

USSR/Physical Chemistry - Kinetics. Catalysis, B-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61060

Abstract: solutions containing 10% H₂0 in the temperature region of 100-1000. Considered are the kinetics of different exchange mechanisms and it is shown that the velocity constant remains constant only with an ionic-molecular mechanism of the reaction. Energies (kcal/mol) and entropies (entropy units) of activation are for CH3Br 17.5 and 19.5; C₂M₅Br 18 and 22.7; C₃H₇Br 18.4 and 22; CH₃I 15.4 and 19.5; C₂H₅I 19 and 17.4; C₃H₇I 19.3 and 13.3. From the obtained data it follows that askyl iodides undergo exchange with I ster than alkyl bromides with Br. Lengthening of the carbon-atom chain in the alkyl halide radical slows down its isotope exchange with ions of the halogen. II. In a 90% ethanol solution were determined the energies of activation in kcal/mol (first figure) and the forexponent (1/mol sec) for the following reactions: (1) (CH₃)₂CHBr + Br*" (at 900-1200) 19.0 and 10^{8} ; (2) (CH₃)₂CHI + I*- (400-800) 20.0 and $6\cdot10^{9}$; (3) CH₂ = CHCH₂Br + Br*" (100-110) 16.0 and 2.8.108. The data obtained confirm the assumption that in the case of ionic-molecular reactions associated with inversion of the configuration the value of the process is determined essentially

Card 2/3

USSR/Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry.

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61060

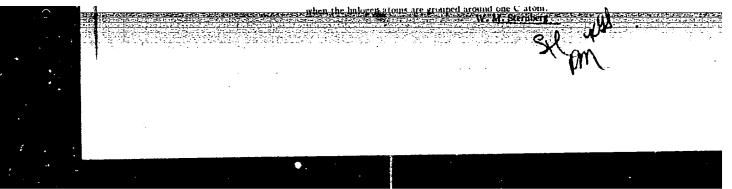
Abstract: by the energy barrier which must be evercome by the carbon atom on passing through the facet of the tetrahedron between Salabstituents. Replacement of 2 atoms of hydrogen at the apexes of the facet by methyl radicals slows down the isotope exchange by more than 100 times and increases the energy of activation by 3-4.5 kcel/mol. Lowering of energy of activation of isotope exchange and increase in velocity of the reaction on introduction exchange and increase in vertical indicate the possibility of the of a double bond in α , β position indicate the possibility of the occurrence of the reaction in the case of alkyl bromide without inversion of configuration in accordance with the scheme: Br*+ CH₂ = CHCH₂Br + Br*CH₂CH = CH₂ + Br*.

card 3/3

MILLER, V. B. USSR/Chemistry - Physical chemistry Pub. 22 - 34/46 Neyman, M. B; Shapovalov, Yu. M.; and Miller, V. B. Card 1/1 Substitution of H-atoms in a CH3Br molecule by Br-atoms and its Authors effect on the rate of ion isotope exchange. Title Dok. AN SSSR 97/4, 703-706, Aug 1, 1954 The substitution of H-atoms in a CH3Br molecule by Br-atoms and its effect on the rate and activation energy constant of the iso-Periodical topic exchange reaction of Br-substitutes of methane with Br-ions, were investigated in a 90%-alcohol solution. Results indicated that Abstract the thermal effect of the isotope exchange reaction equalled zero and the equilibrium constant was independent of temperature. The mechanism of isotope exchange, is explained. Nine references: 8-USSR and 1-USA (1869-1953). Tables; graphs. Acad. of Sc. USSR, Institute of Chemical Physics Institution : Academician N. N. Semenov, March 27, 1954 Presented by :

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		40, 1938c.—The isotope exchange rate of iso-Pribr and iso-
		The state of the s
		PrI with the corresponding halide isotope ions in 80% RtOH.
	- 3	and the effects of the v-v linkage on the isotope exchange
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	36.5	fate were studied. An isomerization of the alayt radical
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HEYNAH, M.B.; MILLER, V.B.; SHAPOVALOV, Yu.M.

Investigation of the influence of melecular structure on the rate of ionic and atomic reactions in isotopic exchange. III. Influence of the number of helegen atoms to carbon atoms on the speed of ionic isotopic exchange of helegen derivatives of methane. Thur. fig.khim. 29 no.6:1042-1049 Jo 55. (MIRA 9:1)

1. Akademiya nauk SSSR, Institut khimicheskey fiziki. (Ien exchange) (Halides--Isetepes) (Methane)

MILLER, V.B.

USSR/Chemistry - Isotopic exchange

Card 1/1

Pub. 22 - 26/49

Authors

Miller, V. B.; Neyman, M. B.; Savitskiy, A. V.; and Mironov, V. F.

Title

study of the ion isotopic exchange of alpha-iodalkyltrialkylsilanes with iodine ions

Periodical : Dok. AN SSSR 101/3, 495-497, Mar 21, 1955

Abstract

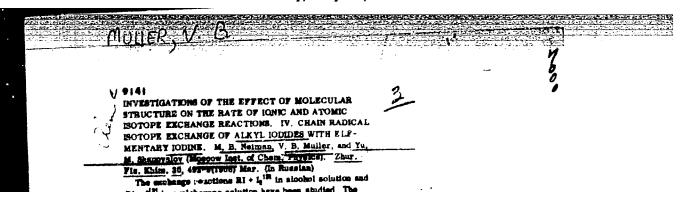
the isotopic exchange of (CH3) 3SiCH2J. (C2H5) 3SiCH2J and (C2H5) 3SiCHJCH3 with sodium iodide was investigated in a 90% C2H5OH solution. The radioisotope J131 with a life span of 8.0 days was employed in the role of the marked atom. The results obtained are shown in graphs. The rate of the ion exchange was determined by the energetic barrier which the carbon atom must penetrate when passing through the face of the tetrahedron the spexes of which are occupied by three substitutes. Ten references: 8 USSR and 2 USA (1935-1954). Tables; graphs.

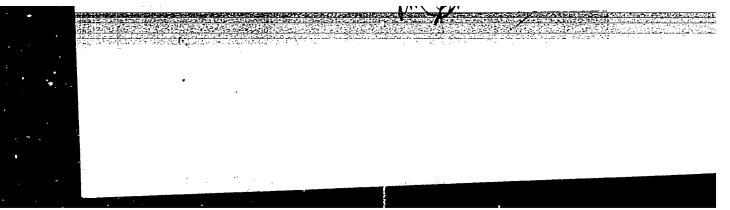
Institution : Acad. of Sc., USSR, Inst. of Chem. Phys.

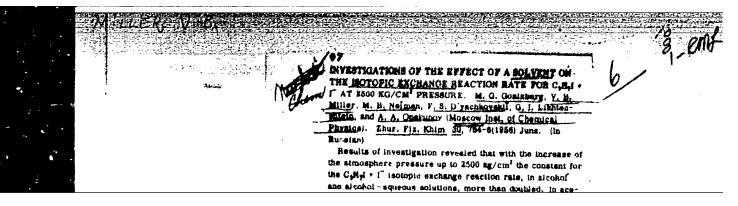
Presented by . Academician V. N. Kondratyev. October 23, 1954

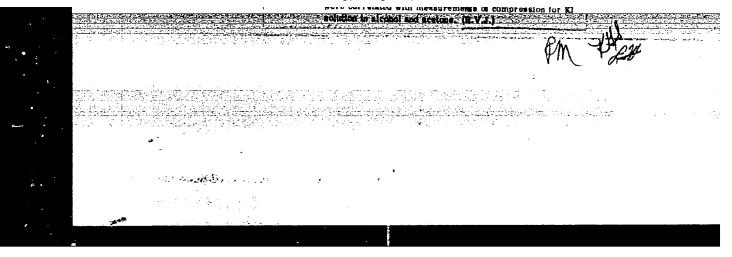
"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R001134310









MILLER, V.B.

AUTHORS: Dzantiyev, B.G., Miller, V.B. and Nikonov, B.P.

TITLE: Evaporation of Barium and Strontium Oxides from an Oxide Cathode (Ispareniye okislov bariya i strontsiya s

oksidnogo katoda)

PERIODICAL: Radiotekhnika i Elektronika, 1958, vol. III, No. 3 pp. 431 - 433 (USSR).

ABSTRACT: CT: The investigated cathodes were coated with the double carbonate containing radio-active traces Ba140 and Sr89. The carbonates were deposited on to the cores of electrolytic nickel by spraying and had a thickness of 100μ . The active surface had an area of 0.2 cm^2 . The investigation was carried out at various cathode temperatures (745 - 1 300 °C), at various anode current densities (up to 2.2 A/cm^2) and over varying periods of operation. The relationship between the evaporation of the oxides and the current density is shown in Fig.1, where the abscissae represent the current density and the co-ordinates give the amount of the evaporated oxides in %. The percentage of the evaporated oxides as a function of time is given in Fig.2; the curves were taken at a temperature of 1 040 °C and at a current density of 0.75 Ncm2. Fig. 3 shows the amount of the evaporated oxides as a function of the cathode temperature; the Card1/2 curves were taken after a 20-hour operation of the cathodes

109-3-18/23 Evaporation of Barium and Strontium Oxides from an Oxide Cathode

from which no current was drawn. From the above figures, it is seen that the evaporation of barium is more intense than that of strontium. Thus, at a temperature of 1 200°C, nearly 90% of barium and only 10% of strontium is evaporated after a 20-hour operation. The authors express their thanks to Professor M.B. Neyman and B.M. Tsarov for their help and discussions. There are 3 figures and 5 references, 1 of which is Russian.

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Thermal oxidative degradation of polypropylene. Part 1: General characteristics of the oxidation reaction. Vysokom.soed. 1 no.11:1696-1702 N '59. (MIRA 13:5)

1. Institut khimicheskoy fiziki AN SSSR.
(Propens)

MILLER, V.B.; NEYMAN, M.B.; SHLYAPNIKOV. Yu.A.

Thermal oxidative degradation of polypropylene. Part 2: Kinetics of the initial stage of oxidation. Vysokom.soed. 1 no.11: 1703-1706 N 159. (MIRA 13:5)

1. Institut khimicheskoy fiziki AN SSSR.
(Propene)

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AUTHORS:

Miller, V. B., Neyman, M. B.,

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Solodovnikov, S. P.

TITLE:

Investigation of the Reaction of Isotopic Exchange Between Methyl Iodide and Iodine (Issledovaniye reaktsii izotopnogo

obmena yodistogo metila s yodom)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,

1959, Nr 2, pp 247-250 (USSR)

ABSTRACT:

In the present paper the isotopic exchange between CH₃J and J₂ was investigated in absence of solvents at 30 and 45°. The irradiation of the reaction mixture was carried out by means of a 2 SVDSh-250-3 quartz lamp (Fig 1). The experimental results are given in the table. As it can be seen the exchange rates in the dark and on light exposure are in accordance within error limits. This indicates that the higher concentration of iodine atoms in the volume due to irradiation does not affect the rate of the isotopic exchange. It might therefore be assumed that the exchange reaction in the volume does not take place over iodine atoms. The addition of oxygen does not influence the rate of the isotopic

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Investigation of the Reaction of Isotopic Exchange Between Methyl Iodide and Iodine

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exchange. This suggests that in the volume no radical chain reaction takes place as it is the case in solutions where the disappearance of alkyl radicals in the oxygen reduces the rate of the isotopic exchange. The dependence of the reactio rate on the pressure of the components is shown in figure 2. Accordingly, the reaction rate depends up to 0.25 mm linearly on the pressure of iodine. At higher pressure it remains practically constant. This is apparently in connection with the fact that the reaction is proceeding on the surface in this case. At a pressure over 0.25mm saturation of the surface occurs whereby an increase in pressure does not cause an considerable change in the reaction rate. There are 2 figures, 1 table, and 6 references, 1 of which is Soviet.

ASSOCIATION:

Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics of the Academy of Sciences, USSR)

Card 2/3